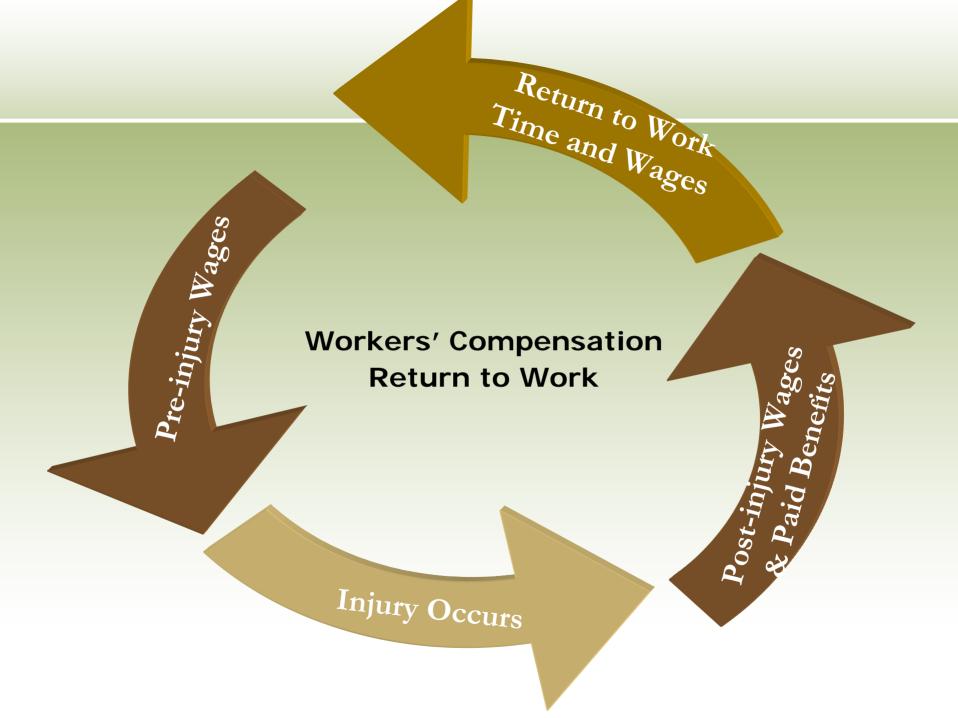
Department of Labor & Industry Employment Relations Division

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RETURN TO WORK



Purpose

The Return to Work Study Group was formed to answer the following:

What is the economic outcome for injured workers?

Provide estimates for the wages lost by an injured worker.

What benefits are paid to an injured worker prior to maximum medical improvement and post maximum medical improvement?

What part of these lost wages are not replaced by benefits?

How long does it take for the injured worker to return to work?

Identify potential drivers of lost wages and return to work duration for future study.

Data

- √ The 4,309 lost time claimants injured in 2000
- ✓ Demographic, Injury and Benefit information from WCAP*
- ✓ Wage information from Unemployment Insurance*

*Adjusted for inflation to 2nd quarter 2006 wages using CPI-U

Methodology Used to Estimate Lost Wages

✓ Established time series methodology which uses properties of an injured worker's wage history to forecast the wages the worker would have earned had they not been injured

Property One: Wages in consecutive quarters are

strongly associated

Property Two: Wages exhibit long term trends

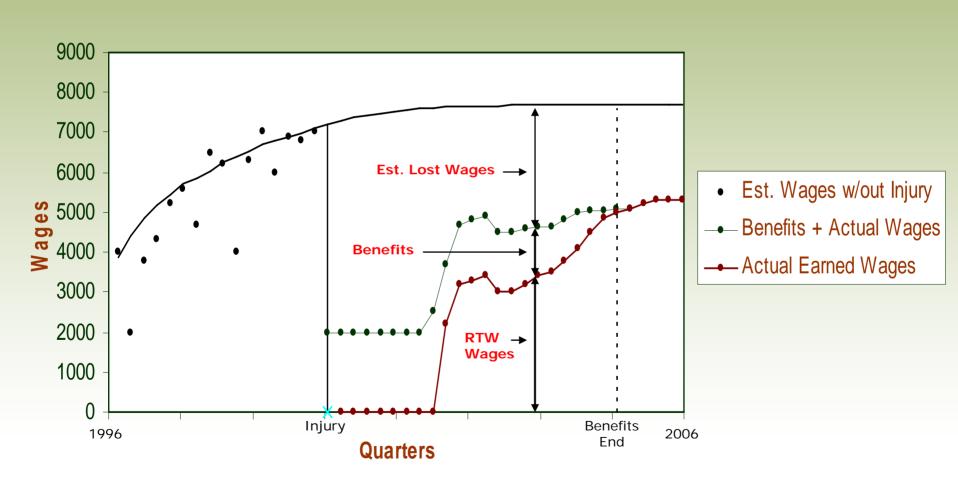
- ✓ Montana economic trends are used to fine tune estimates (Annual Quarterly Wage)
- ✓ Results based on medians instead of averages to offset the effects of extreme values due to reporting errors

Data Limitations

- ✓ Accuracy of the estimates limited by missing or misreported information provided to DLI (Variables used are approximately 90% complete)
- ✓ UI wage information is quarterly
- ✓ Uncertainty regarding quarterly wages of zero in the UI data base (7.82% of population)
- ✓ Small number of quarters available to predict future wages

Example

Injured Worker Wage History



Return to Work (RTW) Wages

Weekly Median Wages (Dollars)

	Pre-Injury	1 st Quarter of RTW	2 nd Quarter of RTW	1 st Year of RTW	10 th Quarter of RTW
Wage	\$391.95	\$298.54	\$323.65	\$299.56	\$249.07
Change from pre-injury		-\$48.92	-\$25.59	-\$38.5	-\$101.11
Percent Change		-14.52%	-6.69%	-10.84%	-30.8%*

^{*}The percent of injured workers with a quarterly reported income of 0\$ increased from 38% to 46% from 2002 to 2006

Categorizing Return to Work Wages

- ✓ Higher Wage Earners: Injured workers where 2/3 of their preinjury wage exceeds the maximum benefit amount (\$637.50 before 7/1/2000 and \$658.50 after 7/1/2000)
- ✓ Lower Wage Earners:
 Injured workers where 2/3 of their preinjury wage does not exceed the maximum benefit amount

RTW by earner type

Lower Wage Earners (81% of total population) Median Dollar Amounts

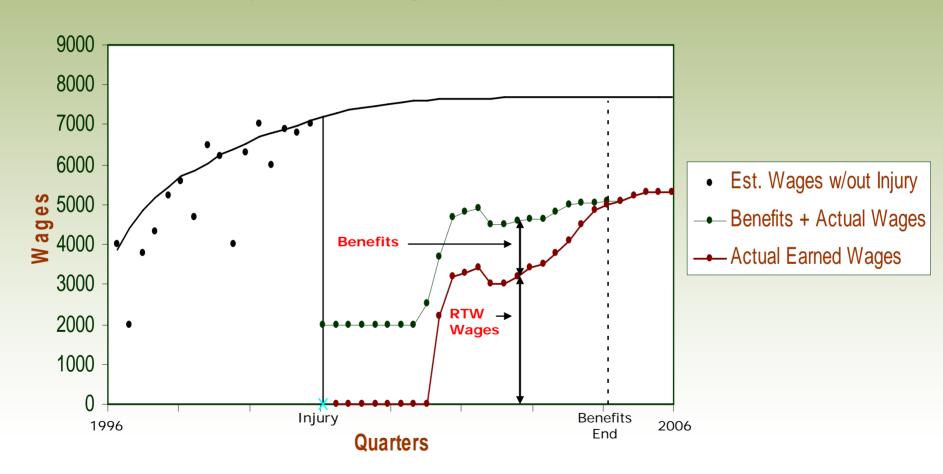
	Pre-injury Wage	1 st Quarter of RTW	2 nd Quarter of RTW	1 st Year of RTW	10 th Quarter Of RTW
Wage	\$339.28	\$261.23	\$283.93	\$261.13	\$208.71
Change from pre-injury		-\$40.07	-\$18.91	-\$32.26	-\$87.75
Percent Change		-13.36%	-5.71%	-11.12%	-31.02%

Higher Wage Earners (19% of total population) Median Dollar Amounts

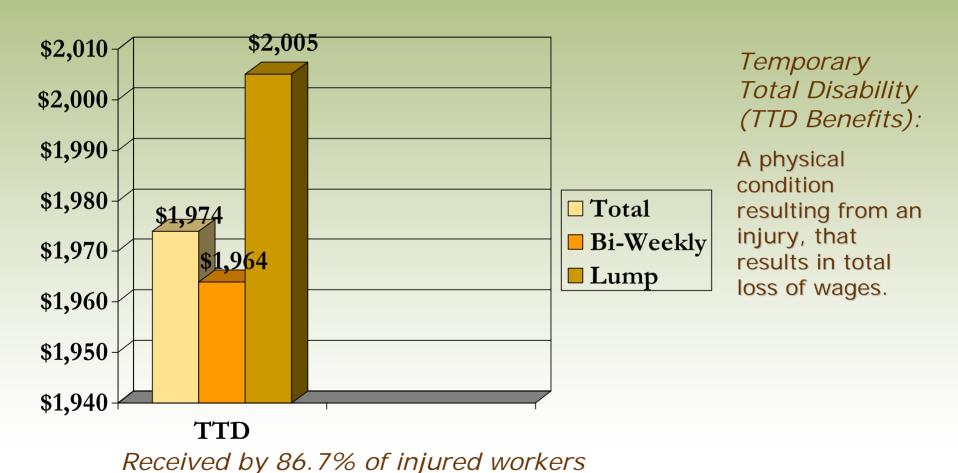
	Pre-injury Wage	1 st Quarter of RTW	^{2nd} Quarter of RTW	1 st Year of RW	10 th Quarter of RTW
Wage	\$810.10	\$676.29	\$699.44	\$700.40	\$600.68
Change from pre-injury		-\$149.02	-\$94.66	-\$94.67	-\$264.13
Percent Change		-17.96%	-11.23%	-9.89%	-28.86%

Example (cont.)

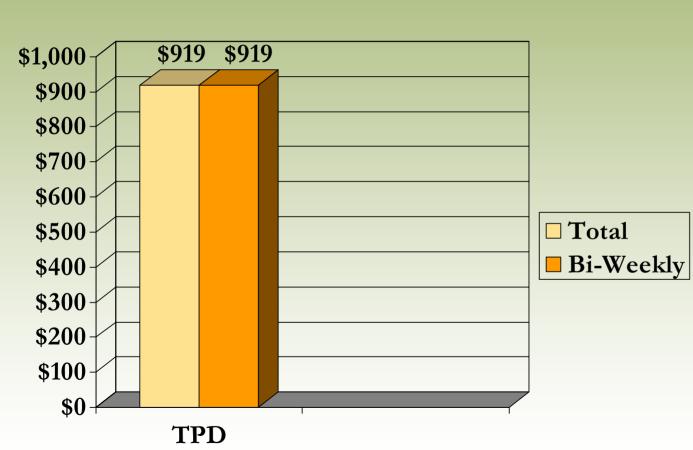
Injured Worker Wage History



Median dollar amounts of TTD benefits



Median dollar amounts of TPD benefits

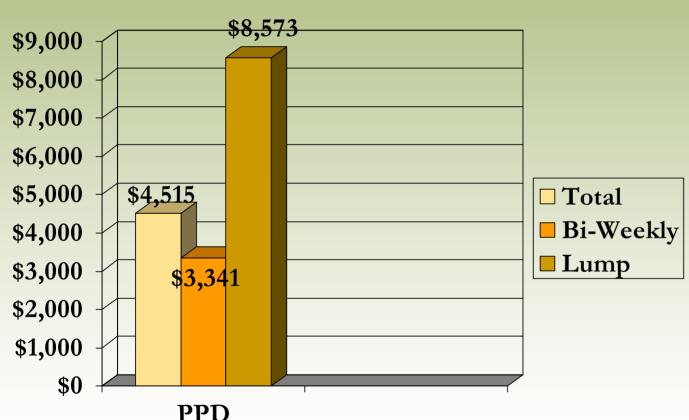


Received by 15.5% of injured workers

Temporary Partial Disability (TPD Benefits):

A physical condition resulting from an injury in which a worker, prior to maximum healing; is temporarily unable to return to the position held at the time of injury because of a medically determined physical restriction; but returns to work in a modified or alternative employment; and suffers a partial wage loss.

Median dollar amounts of PPD benefits

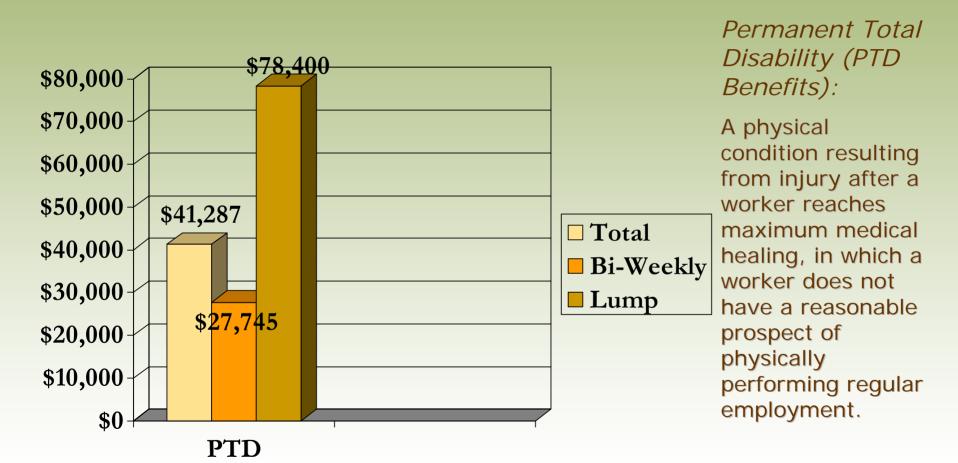


Received by 36.5% of injured workers

Permanent Partial Disability (PPD Benefits):

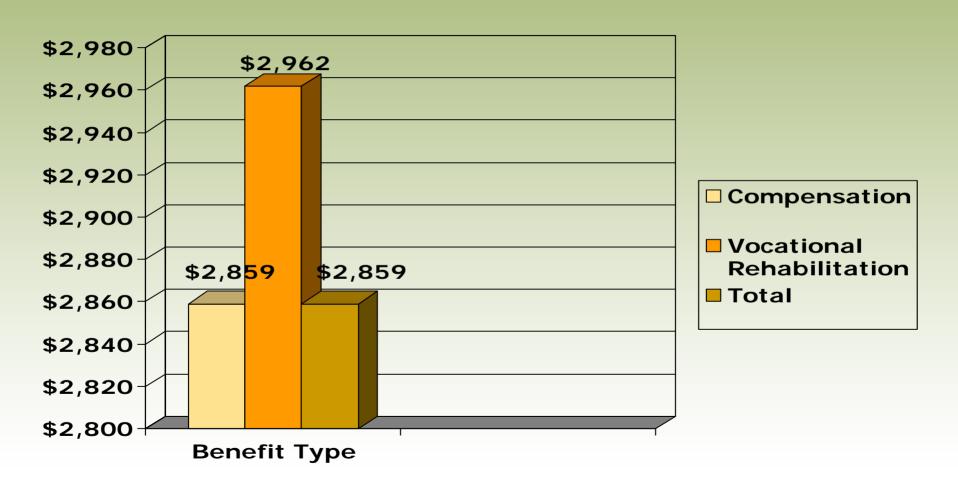
A physical condition in which a worker, after reaching maximum medical healing; has a permanent impairment established by objective medical findings; is able to return to work in some capacity but the permanent impairment impairs the worker's ability to work; and has an actual wage loss as a result of the injury.

Median dollar amounts of PTD benefits



Received by 1.1% of injured workers

Median dollar amounts of Indemnity benefits



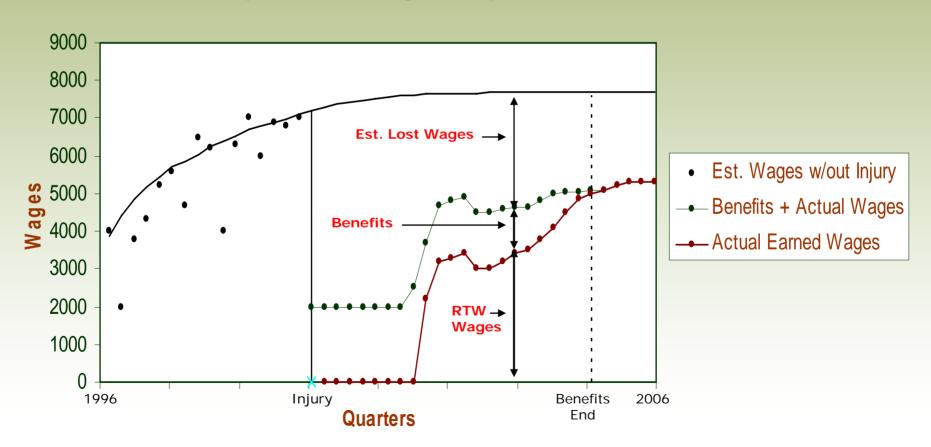
Sample Sizes: Compensation = 4219, Voc. Rehab=235, Total=4222

Summary Tables

Summary tables are included in your handouts

Example (cont.)

Injured Worker Wage History



Summary of wage loss information

Median wage loss without WC benefits*

\$63,223

Median wage loss with WC benefits*

\$54,699

*After tax adjustment using information from the Bureau of Economic Analysis (BEA)

Summary of wage loss information

Median replacement rate of the estimated wages by actual earnings and WC benefits

59.5%

This implies that an injured worker will lose 40.5% of the wages (after WC benefits have been included) they would have earned if they hadn't been injured

Breakdown of wage loss by earning type

Higher wage earners have a net loss of \$112,446. The replacement percentage is 58.7%.

❖ Lower wage earners have a net loss of \$46,925. The replacement percentage is 59.9%.

Breakdown of wage loss relative to date of Maximum Medical Improvement (MMI)

The maximum medical improvement date is the date a physician has determined that the worker has reached maximum healing. The physician has determined that the worker will not further recover from his or her injury.



Permanent Total Disability benefits are not included in this analysis to isolate injured workers able to return to work

Median Replacement Amounts

❖ All Wage Earners (Subpopulation size 1316)

Replacement rate while healing is 51.1% Replacement rate after healing is 45.9%

Lower Wage Earners (81% of subpopulation)

Replacement rate while healing is 48.5% Replacement rate after healing is 44.4%

Higher Wage Earners (19% of subpopulation)

Replacement rate while healing is 56% Replacement rate after healing is 54.1%

Return to Work Times

❖ All Wage Earners (Subpopulation size 2487)

The median time from injury until returning to work is 11.4 weeks (80 days)

Lower Wage Earners (82% of subpopulation)

The median time from injury until returning to work is 10.6 weeks (74 days)

Higher Wage Earners (18% of subpopulation)

The median time from injury until returning to work is 14.1 weeks (98.5 days)

Summary

Overall, an injured worker loses <u>40.5%</u> of their wages with a more significant part of the wages lost after maximum healing

Overall, an injured worker will return to work after 11.4 weeks

Preliminary results indicate pre-injury wages are not a significant factor in the percentage of lost wages, but are a potential factor in the return to work duration

Future topics for this study

- Employer
- Injuries
- > Industry
- Geographic location
- > Impact of demographic variables
- Continuing to improve estimate methodology

QUESTIONS

This presentation along with other workers' compensation study information is located on our project website:

http://erd.dli.mt.gov/wcstudyproject/wcstudyproject.asp

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